Bruhat Bengaluru
Mahanagara Palike

BRUHAT BANGALORE MAHANAGAR PALIKE
EXCECUTIVE ENGINEER YELAHANKA ZONE PROJECT DIVISION

Project management consultancy

PMC AND INSPECTION REPORT

NAME OF WORK: Package - 04 includes 7 Works of Rs. 582.00 Lakhs: 1) Improvements to roads and drains at Amruthahalli main road, Kariyanna layout and surrounding areas in ward no. 07. 2) Improvements to Roads and drains at bhadrappa layout and balaji layout and surrounding area in ward number – 08 3) Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar and surrounding area in ward no. 08 4) Improvements to Roads and Drains in BEL Layout, HMT Layout, Rajivagandhi Nagar (NTI), Thindhu and surrounding in ward No. 09 5) Improvements to Roads and Drains in Thindlu colony, Narasipura layout, Kempegowdnagara and surrounding area in ward No. 09 6) Improvements to Roads and Drains in Muthuraya Swamy layout, Doddabomasandra, Nanjappa layout, Chamundeshwari Layout in Ward No. 10 7) Improvements to Roads and Drains in Kuvempu Nagara, Singapura, Ramachandrapura and surrounding areas in ward no-11.

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1. Salient Features

- Name of Client: Bruhat Bangalore MahanagaraPalike
- Name of Project:

  Package - 04 includes 7 Works of Rs. 582.00 Lakhs: 1) Improvements to roads and drains at Amruthahalli main road, Kariyanna layout and surrounding areas in ward no. 07.2) Improvements to Roads and drains at bhadrappa layout and balaji layout and surrounding area in ward number – 083) Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar and surrounding area in ward no. 084) Improvements to Roads and Drains in BEL Layout, HMT Layout, Rajivagandhi Nagar (NTI), Thindhuand surrounding in ward No. 09 5) Improvements to Roads and Drains in Thindlu colony, Narasipura layout, Kempegowdnagara and surrounding area in ward No. 09 6) Improvements to Roads and Drains in MuthurayaSwamy layout, Doddabomasandra, Nanjappa layout, Chamundeshwari Layout in Ward No. 10 7) Improvements to Roads and Drains in KuvempuNagara, Singapura, Ramachandrapura and surrounding areas in ward no-11.

- Name of road:
  1) Improvements to Roads and Drains in Thindlu colony, Narasipura layout, Kempegowdnagara and surrounding area in ward No. 09
  2) Improvements to Roads and Drains in MuthurayaSwamy layout, Doddabomasandra, Nanjappa layout, Chamundeshwari Layout in Ward No. 10
- Job Code: 007-19-000106, 008-19-000034, 008-19-000035, 009-19-000030, 010-19-000011, 011-19-000288
- Name of the Agency: Executive Engineer,B.B.M.P,Byatarayanapura, Bangalore
- Name of Consultant: Transheight Consultants Pvt. Ltd.
- Work Order: BBMP/EE/BTP/WO/110/2019-20
- Tender Price: 582.00 Lakhs

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2. Important events in the Work

Sl. No.	Description of Activities
1.	Removing and resetting footpath slab
2.	Earthwork excavation
3.	Providing laying and spreading compacting WMM
4.	Providing and applying primer coat
5.	Providing and laying bituminous macadam
6.	Providing and applying tack coat
7.	Providing and laying bituminous concrete
8.	Providing and laying of hot applied thermoplastic compound

3. Quality Control System

The Works are being executed as per the Guidelines given in the Agreement, as per the Relevant Indian Standards and under the Skilled Supervision. All the Standard Quality Control Tests of Construction materials, which have been used, have been carried out and the reports are maintained.

All the available Test Reports are enclosed here with in **Annexure I.**

4. Progress Status:

Progress Photographs are enclosed in **Annexure II.**

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To,

The Executive Engineer,

Byatarayanapura Division

BBMP office, Bangalore.

"PMC & INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection report for the below mentioned work.

1) Improvements to Roads and Drains in Thindlu colony, Narasipura layout, Kempegowdnagara and surrounding area in ward No. 09

2) Improvements to Roads and Drains in MuthurayaSwamy layout, Doddabomasandra, Nanjappa layout, Chamundeshwari Layout in Ward No. 10

Sl. No	Description of work	Unit	Qty
1.	**Removing and resetting footpath** slab	Sqm	3134.04
2.	**Earth work excavation** by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.	Cum	4516.88
3.	Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	1530.33
4.	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications Do- Medium Porosity	Sqm	9289.13

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5.	Providing and laying **bituminous macadam** on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E loader, Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve desired density, but excluding cost of primer/Tack coat including lead, lift and cost of all materials, labour HOM of machinaries complete as per Specifications. MORTH Ch 5. using 40/60 TPH capacity HMP with Mechanical paver Gr-II (50mm - 75mm) with 3.4% VG-30 bitumen.	Cum	464.46
6.	Tack Coat:- Providing and applying **tack coat** using 80/100 grade bitumen (VG 10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mechancial broom. complete as per specifications.	Sqm	33210.90
7.	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen 80/100,	Cum	1328.44
9.	Providing and laying of **hot applied thermoplastic compound** 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	1070.48

With respect to the above subject & name of work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the bill

Thanking you,

With Regards,

Transheight Consultants Pvt. Ltd. Bangalore

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